



COMMONWEALTH of VIRGINIA
DEPARTMENT OF FORENSIC SCIENCE

CENTRAL LABORATORY
A Nationally Accredited Laboratory

700 NORTH 5TH STREET
RICHMOND, VIRGINIA 23219
(804) 786-6971

CERTIFICATE OF INSTRUMENT ACCURACY

INSTRUMENT: Intox EC/IR II
SERIAL NUMBER: 010574
CERTIFICATION DATE: December 30, 2013
DATE RECERTIFICATION DUE: June 28, 2014

The above listed instrument was found to meet all requirements for accuracy and performance established by the Department of Forensic Science. This certification is valid from the above listed certification date until the above listed date for recertification.

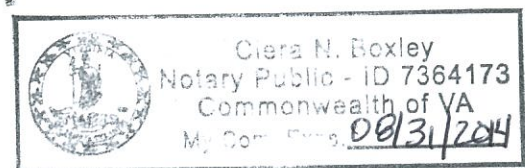
Sarah E. Dersch
Forensic Scientist

CITY OF RICHMOND
COMMONWEALTH OF VIRGINIA

The foregoing was acknowledged before me this 7th day of January, 2014 by Sarah E. Dersch

Ciera N. Boxley, Notary Public

My commission expires: August 31, 2014



Department of Forensic Science
Breath Alcohol Section
Instrument Maintenance History
1/1/1990 To 1/2/2014

sed
MBK

Instrument Serial Number: 010574

As of 02-Jan-14

Maintenance	Certification	Technician	
Date	Date	Initials	Remarks
30-Dec-13	30-Dec-13	SED (24178)	CERTIFIED.
19-Jul-13	19-Jul-13	MMB (26417)	FIRMWARE/SOFTWARE UPGRADE. CALIBRATED AND CERTIFIED. REPLACED DRY GAS STANDARD.
20-Feb-13	20-Feb-13	SED (24178)	CERTIFIED.
22-Aug-12	22-Aug-12	DBH (21250)	CERTIFIED. REPLACED DRY GAS STANDARD.
09-Mar-12	09-Mar-12	TLN (25387)	CERTIFIED. REPLACED DRY GAS STANDARD.
03-Feb-12	21-Sep-11	HMS (18910)	REPLACED PRINTER INK CARTRIDGE.
21-Sep-11	21-Sep-11	SED (24178)	CERTIFIED.
11-Apr-11	11-Apr-11	RJP (22428)	CERTIFIED.
29-Oct-10	29-Oct-10	RJP (22428)	CERTIFIED.
03-Sep-10	04-May-10	RJP (22428)	RESTORED POWER TO E-SEEK.
04-May-10	04-May-10	RJP (22428)	REPLACED DRY GAS STANDARD. CERTIFIED
10-Nov-09	10-Nov-09	RJP (22428)	CERTIFIED
03-Jun-09	03-Jun-09	RJP (22428)	FIRMWARE/SOFTWARE UPGRADE. CALIBRATED AND CERTIFIED.
06-Jan-09	06-Jan-09	RJP (22428)	CERTIFIED.
27-Nov-08	27-Nov-08	NMJ (22392)	CALIBRATED, CERTIFIED AND ACCEPTED.

INTOX EC/IR II
Quality Assurance Worksheet

sed
WHL

Instrument Serial Number **010574** Worksheet Start Date **12/30/2013**
Location **Hopewell PD - Riverside Regional Jail**
Address **1000 River Rd, Hopewell, Va 23860** *23860 11/6/14 sed*
DFS Technician **Sarah Dersch** License No. **24178**

☐ Laboratory ☒ On-Site

Site Specification: No detrimental environmental conditions exist. ☒

Instrument Barometer (mm HG) **758** Reference Barometer (mm HG) **760**
Reference Barometer(RB)Serial # **009111** RB Calibration Due **5/23/2014**

Measurement Assurance Check

Standard (sea level)	PA Target	minimum	maximum	Sample 1	0.301
0.300	0.300	0.291	0.309	Sample 2	0.301
Precision		sample min	sample max	Sample 3	0.301
0		0.301	0.301		

Standard (sea level)	PA Target	minimum	maximum	Sample 1	0.099
0.100	0.100	0.097	0.103	Sample 2	0.099
Precision		sample min	sample max	Sample 3	0.099
0		0.099	0.099		

Dry gas standard Lot No. (with tank no.) **AG316301-16**

☐ Replaced dry gas standard (+O-ring)

☐ Installed at Location

☐ Removed to DFS-Central

Supplies

Mouthpieces

Certificates of Analysis

Operator Worksheet

Other:

50

50

1 packet

Notes:

Instrument Serial Number

010574

Certification Date

12/30/2013

☐ Calibrated☒ Certified☒ Measurement Assurance Check☒ Instrument Test☐ Troubleshooting/Maintenance Worksheet Completed

(Successful completion denotes satisfactory condition of the item.)

Standard (sea level)	PA Target	minimum	maximum	Sample 1	0.250
0.250	0.250	0.242	0.257	Sample 2	0.249
Precision		sample min	sample max	Sample 3	0.249
0.001		0.249	0.250		

Standard (sea level)	PA Target	minimum	maximum	Sample 1	0.149
0.150	0.150	0.145	0.154	Sample 2	0.149
Precision		sample min	sample max	Sample 3	0.149
0		0.149	0.149		

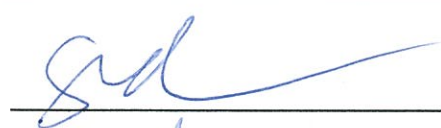
Standard (sea level)	PA Target	minimum	maximum	Sample 1	0.080
0.080	0.080	0.077	0.083	Sample 2	0.080
Precision		sample min	sample max	Sample 3	0.080
0		0.080	0.080		

Standard (sea level)	PA Target	minimum	maximum	Sample 1	0.019
0.020	0.020	0.017	0.023	Sample 2	0.019
Precision		sample min	sample max	Sample 3	0.019
0		0.019	0.019		

All measurements are in g/210L

Estimation of Uncertainty of Measurement and traceability records are located within the Breath Alcohol Section

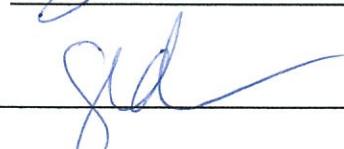
DFS Technician



Date

11/2/14

Issuing Analyst



Date

11/2/14

note

Intox EC/IR-II: Certification

Department of Forensic Science

Serial Number: 010574 Test Number: 580
Test Date: 12/30/2013 Test Time: 14:46 EST

Technician Initials: SED

Dry Gas Target: 0.250

Lot Number: 06512250I5-02 Exp Date: 04/01/2014

Tank Pressure: 448 psi Barometric Pressure: 759 mmHg

System Check: Passed

Test	g/210L	Time
DIAG	Pass	14:46
BLK	0.000	14:47
CHK	0.250	14:48
BLK	0.000	14:49
CHK	0.249	14:50
BLK	0.000	14:52
CHK	0.249	14:52
BLK	0.000	14:54

Success

Standard Value (at sea level): 0.250 g/210L

Certification Status: Continued

Intox EC/IR-II: Certification

Department of Forensic Science

Serial Number: 010574 Test Number: 581
Test Date: 12/30/2013 Test Time: 14:56 EST

Technician Initials: SED

Dry Gas Target: 0.150

Lot Number: 0651215014-04 Exp Date: 04/01/2014

Tank Pressure: 958 psi Barometric Pressure: 758 mmHg
System Check: Passed

Test	g/210L	Time
DIAG	Pass	14:56
BLK	0.000	14:57
CHK	0.149	14:58
BLK	0.000	14:59
CHK	0.149	15:00
BLK	0.000	15:01
CHK	0.149	15:02
BLK	0.000	15:03

Success

Standard Value (at sea level): 0.150 g/210L

Certification Status: Continued

gud

Intox EC/IR-II: Certification

Department of Forensic Science

Serial Number: 010574 Test Number: 582
Test Date: 12/30/2013 Test Time: 15:05 EST

Technician Initials: SED

Dry Gas Target: 0.080

Lot Number: 0651208012-06 Exp Date: 04/01/2014

Tank Pressure: 51 psi Barometric Pressure: 759 mmHg

System Check: Passed

Test	g/210L	Time
DIAG	Pass	15:05
BLK	0.000	15:06
CHK	0.080	15:07
BLK	0.000	15:08
CHK	0.080	15:09
BLK	0.000	15:10
CHK	0.080	15:11
BLK	0.000	15:12

Success

Standard Value (at sea level): 0.080 g/210L

Certification Status: Continued

Intox EC/IR-II: Certification

Department of Forensic Science

Serial Number: 010574 Test Number: 583
Test Date: 12/30/2013 Test Time: 15:14 EST

Technician Initials: SED

Dry Gas Target: 0.020

Lot Number: 0651202011-07 Exp Date: 04/01/2014

Tank Pressure: 129 psi Barometric Pressure: 759 mmHg

System Check: Passed

Test	g/210L	Time
DIAG	Pass	15:15
BLK	0.000	15:16
CHK	0.019	15:17
BLK	0.000	15:18
CHK	0.019	15:19
BLK	0.000	15:20
CHK	0.019	15:21
BLK	0.000	15:22

Success

Standard Value (at sea level): 0.020 g/210L

Certification Status: Success

Intox EC/IR-II: Accuracy Check

Department of Forensic Science

Serial Number: 010574 Test Number: 584

Test Date: 12/30/2013 Test Time: 15:25 EST

Dry Gas Target: 0.300

Lot Number: AG322702-03 Exp Date: 08/15/2015

Tank Pressure: 95 psi Barometric Pressure: 759 mmHg

System Check: *Passed*

Test	g/210L	Time
BLK	0.000	15:26
CHK	0.301	15:27
BLK	0.000	15:28
CHK	0.301	15:29
BLK	0.000	15:31
CHK	0.301	15:32

Test Status: *Success*

Calibration CRC: C5BBBC31

Intox EC/IR-II: Accuracy Check

Department of Forensic Science

Serial Number: 010574 Test Number: 585

Test Date: 12/30/2013 Test Time: 15:35 EST

Dry Gas Target: 0.100

Lot Number: AG316301-16 Exp Date: 06/12/2015

Tank Pressure: 948 psi Barometric Pressure: 759 mmHg

System Check: *Passed*

Test	g/210L	Time
BLK	0.000	15:36
CHK	0.099	15:37
BLK	0.000	15:38
CHK	0.099	15:39
BLK	0.000	15:40
CHK	0.099	15:41

Test Status: *Success*

Calibration CRC: C5BBBC31




COMMONWEALTH OF VIRGINIA
DEPARTMENT OF FORENSIC SCIENCE

CERTIFICATE OF BLOOD ALCOHOL ANALYSIS
AS DETERMINED BY A CHEMICAL TEST OF THE ACCUSED'S BREATH

NAME OF ACCUSED INSTRUMENT, TEST,	NAME OF COURT DFS
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BREATH ANALYSIS

SAMPLE EXAMINED AND TEST CONDUCTED BY DERSCH, SARAH, E		AGENCY DFS Central Lab
DFS LICENSE NUMBER 24178	LICENSE EXPIRES 10/01/2014	DATE TEST CONDUCTED 12/30/2013
TEST EQUIPMENT NUMBER 010574		

RESULTS: TIME SAMPLE TAKEN 15:51 EST

SAMPLE'S ALCOHOL CONTENT 0.00 GRAMS PER 210 LITERS OF BREATH

ATTEST:

I CERTIFY THAT THE ABOVE IS AN ACCURATE RECORD OF THE TEST CONDUCTED; THAT THE TEST WAS CONDUCTED WITH THE TYPE OF EQUIPMENT AND IN ACCORDANCE WITH THE METHODS APPROVED BY THE DEPARTMENT OF FORENSIC SCIENCE; THAT THE TEST WAS CONDUCTED IN ACCORDANCE WITH THE DEPARTMENT'S SPECIFICATIONS; THAT PRIOR TO ADMINISTRATION OF THE TEST THE ACCUSED WAS ADVISED OF HIS RIGHT TO OBSERVE THE PROCESS AND SEE THE BLOOD ALCOHOL READING ON THE EQUIPMENT USED TO PERFORM THE BREATH TEST, AND THAT I POSSESS A VALID LICENSE TO CONDUCT SUCH TEST, GIVEN UNDER MY HAND THIS _____ DAY OF _____, 20_____.

BREATH TEST OPERATOR

☐ I HAVE RECEIVED A COPY OF THIS CERTIFICATE OF ANALYSIS _____
SUBJECT'S SIGNATURE

☐ SUBJECT REFUSED TO SIGN FOR COPY OF CERTIFICATE OF ANALYSIS _____
OPERATOR'S SIGNATURE



IntoxNet MIS Report

Report Generated 02 Jan 2014 at 10:01

See
N/A

Test Results

Instrument Serial Number 010574

Test # 000586 Subject Test

Test Location 1 Department of
Test Date 30 Dec 2013

Test Location 2 Forensic Science
Test Time 15:44
Remote/Local Local

Test Location 3
System Check Passed

Operator's Last Name DERSCH
Agency DFS Central Lab

Operator's First Name SARAH

Operator's Middle Initial E
License Number 24178

Card Serial Number 124178

Effective Date 10/01/2012

Expiration Date 10/01/2014

Subject's Last Name INSTRUMENT

Subject's First Name TEST

Subject's Middle Initial

Subject's Date of Birth 00/00/0000

Subject's Sex Male

Driver's License Number

Driver's License Expiration 00/00/0000

Driver's License State

Court Name DFS

End Date 30 Dec 2013 End Time 15:52

Result Time 15:51

Result Date 30 Dec 2013 Result 0.00

Data Type DIAG

Sample Value Pass

Sample Time 15:45

Data Type BLK

Sample Value 0.000

Sample Time 15:45

Data Type CHK

Sample Value 0.099

Sample Time 15:46

Data Type BLK

Sample Value 0.000

Sample Time 15:48

Data Type SUBJ

Sample Value 0.000

Sample Time 15:48

Data Type BLK

Sample Value 0.000

Sample Time 15:49

Data Type SUBJ

Sample Value 0.000

Sample Time 15:51

Data Type BLK

Sample Value 0.000

Sample Time 15:52

Standard Type Dry Gas Std

Standard Value 0.100

Standard Lot Number AG316301-16

Standard Expiration Date 06/12/2015

Tank Pressure 938

Barometric Pressure 759 mmHg

Blow Sample Number 1 Blow Duration 3.00 sec

Blow Volume 1841 cc End-of-Blow Time 15:48

Blow Sample Number 2 Blow Duration 3.88 sec

Blow Volume 2302 cc End-of-Blow Time 15:51

Tamper Evident Stamp 71c0d0a7

Test Status Code 0

Test Status Success